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(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. P19157 Total Pages

Inventor(s) or Application Identifier  
Kiyoshi TOYODATitle: IMAGE COMMUNICATION APPARATUS AND  
IMAGE COMMUNICATION METHOD

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

**APPLICATION ELEMENTS**

1.  Fee Transmittal Form
2.  Specification [Total Pages 20]
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3.  Drawing(s) (35 USC 113) [Total Sheets 8]
4.  Oath or Declaration [Total Pages 3]
  - a.  Newly executed (original or copy)  Unexecuted
  - b.  Copy from a prior application (37 CFR 1.63(d))
   
(for continuation/divisional with Box 18 completed)
   
**[Note Box 5 below]**
    - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2)  
and 1.33(b).
5.  Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy  
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  - c.  Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

8.  Assignment Papers (cover sheet & document(s))
9.  37 CFR 3.73(b) Statement (when there is an assignee)  Power of Attorney
10.  English Translation Document (if applicable)
11.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
12.  Preliminary Amendment
13.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14.  Small Entity Statement(s)  Statement filed in prior application,  
Status still proper and desired
15.  The prior application is assigned of record to \_\_\_\_\_
16.  Foreign priority claimed
  - a.  Claim of Priority
  - b.  Certified Copy of Priority Document(s)
17.  Other: \_\_\_\_\_  
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19.  Amend the specification by inserting before the first line the sentence:

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*Leslie H. Bernstein* Reg. No. 33,929  
Signature

Bruce H. Bernstein, Reg No. 29,027  
Typed or Printed Name

# **SPECIFICATION**

**TITLE OF THE INVENTION :**

**IMAGE COMMUNICATION APPARATUS AND  
IMAGE COMMUNICATION METHOD**

**INVENTOR :**

**Kiyoshi TOYODA**

IMAGE COMMUNICATION APPARATUS AND IMAGE COMMUNICATION  
METHOD

BACKGROUND OF THE INVENTION

Field of the Invention

5       The present invention relates to an image communication apparatus for transmitting transmitted/received data to an information management center, and relates to an image communication method.

Description of the Related Art

10      By the revision of law made by Federal Securities and Exchange Commission in US, securities firms are obliged to have all data received by a facsimile apparatus browsed by a supervisor per reception and to store all copies. It is considered that a considerable amount of 15 operations such as copying operation, filing operation, etc., occurs in order to abide by the law, and this causes troubles in day to day businesses.

In connection with such obligation, it is thought that data is received by the facsimile apparatus, 20 thereafter, the same data is newly facsimile transmitted to a file server of an information management center for storing received data, document, etc. Also, it is thought that data is transmitted by the facsimile apparatus, thereafter, the same data is newly facsimile transmitted to the center. However, there is a problem 25 in that such a facsimile transmission of the same data to the center after performing the facsimile transmission

or reception causes an increase in communication costs.

## SUMMARY OF THE INVENTION

It is an object of the present invention to provide an image communication apparatus and an image communication method capable of reducing communication costs to the center.

The present invention transmits image data transmitted and received to the center by e-mail on the Internet.

10 The transmission of image data to the center is carried out through the Internet, allowing the communication costs to be largely reduced.

## BRIEF DESCRIPTION OF THE DRAWINGS

The above and other objects and features of the  
invention will appear more fully hereinafter from  
a consideration of the following description taken  
in connection with the accompanying drawing wherein  
one example is illustrated by way of example, in  
which:

20 FIG. 1 is a conceptual view showing a network where  
an Internet facsimile apparatus operates according to an  
embodiment of the present invention:

FIG. 2 is a block diagram showing hardware of the Internet facsimile apparatus according to the above embodiment:

FIG. 3 is a block diagram showing functions of the Internet facsimile apparatus according to the above

embodiment;

FIG. 4 is a functional block diagram showing an IFAX processing section of the Internet facsimile apparatus according to the above embodiment;

5 FIG. 5 is a flowchart showing steps of e-mail transmission processing in the Internet facsimile apparatus according to the above embodiment;

10 FIG. 6 is a flowchart showing stepss of facsimile transmission processing in the Internet facsimile apparatus according to the above embodiment;

FIG. 7 is a flowchart showing stepss of e-mail reception processing in the Internet facsimile apparatus according to the above embodiment; and

15 FIG. 8 is a flowchart showing stepss of facsimile reception processing in the Internet facsimile apparatus according to the above embodiment.

#### DETAILED DESCRIPTION OF THE

#### PREFERRED EMBODIMENTS

The following will specifically explain the  
20 embodiment of the present invention with reference to the drawings accompanying herewith.

FIG. 1 is a conceptual view showing a network where an Internet facsimile apparatus operates according to an embodiment of the present invention.

25 An Internet facsimile apparatus (hereinafter referred to as IFAX) 1 according to the above embodiment is installed in a securities firm A. This IFAX 1 is

connected to LAN 2 installed in the securities firm A. This LAN 2 is connected to the Internet 3. Communication terminals such as PC 4 installed in a customer B and IFAX 5 installed in a branch office are connected to the 5 Internet 3.

IFAX 1 transmits and receives image data between PC 4 and IFAX 5 by e-mail via LAN 2 and the Internet 3. While, IFAX 1 is connected to a public switched phone network (PSTN) 6. IFAX 1 transmits and receives facsimile data 10 between G3FAX 7 and IFAX 1 via PSTN 6.

As mentioned above, IFAX 1 transmits and receives data such as image data among PC4, IFAX 5 and G3FAX 7. IFAX 1 transmits these data to a file server 9 provided in an information management center 8 via the Internet 15 3. Thereby, IFAX 1 transmits all communication contents to the file server 9 of the center 8. One or two or more of the center 8 are provided in order that the securities firm A stores replication of the content of communication carried out by IFAX provided in the securities firm A. 20 The apparatus to be provided in the center 8 is not limited to file server 9, and IFAX, for example, may be provided therein. Also, the file server 9 may not be provided on the Internet 3. For example, the file server can be provided on the LAN 2 in the securities firm A.

25 The following will specifically explain IFAX 1 according to this embodiment.

FIG. 2 is a block diagram showing hardware of the

IFAX according to the above embodiment. A CPU 11 executes a program, and controls the entirety of the apparatus. A ROM 12 stores the program executed by CPU 11.

A RAM 13 has a work area where the program is executed, 5 and a buffer area where various kinds of data such as e-mail, image file, etc., are temporarily stored.

A FAX & voice processing section 14 modulates facsimile data and voice and outputs the modulated data to PSTN 6, and demodulates modulated data received from 10 PSTN 6 to facsimile data and voice data.

A scanner 15 scans an original and obtains image data. A printer 16 prints various kinds of data including received image data.

A LAN interference 17 executes protocols necessary 15 for transmitting and receiving data on LAN 2. Herein, the protocols used for transmitting and receiving data include, for example, a mail transfer protocol such as SMTP (Simple Mail Transfer Protocol) and a file transfer protocol such as HTTP, ETP.

20 A panel control section 18 comprises dial keys and touch panels, and receives operations to be done by an operator such as a specification of a communication partner, an instruction of transmission start, etc.

ROM 12 stores the program, and CPU 11 executes the 25 program. An explanation of the functions to be resultantly implemented will be given as follows. FIG. 3 is a block diagram showing the functions of IFAX 1 according to the

above embodiment.

IFAX 1 comprises a FAX & voice controlling section 100, a scanner controlling section 200, and a printer controlling section 300, and controls each of the FAX & 5 voice processing section 14, scanner 15, and printer 16.

Also, IFAX 1 comprises an IFAX processing section 400 that implements the function as the so-called Internet facsimile apparatus (hereinafter referred to as IFAX). This IFAX processing section 400 transmits and receives 10 e-mail via LAN 2 by use of LAN interface 17. In other words, e-mail is received from a sender, and the received data is printed by the printer 16. At this time, if an image file is appended to e-mail, the content of the image file is printed by the printer 16. While, IFAX processing 15 section 400 converts the image data obtained by the scanner 15 to e-mail to be transmitted.

FIG. 4 is a functional block diagram showing the IFAX processing section 400 of the IFAX according to the above embodiment. The scanner controlling section 200 sends 20 row image data (for example, bit map data) scanned by the scanner 16 to the IFAX processing section 400. In the IFAX processing section 400, a compressing and decompressing section 401 compresses row image data in a compression format such as MH, and obtains compressed 25 files. The compression is carried out in unit of one page of original. A TIFRF converting section 402 converts these compressed files to one TIFF (Tag Image File Format).

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An e-mail generating section 403 appends this TIFF file to a multi-part mail in accordance with, for example, MIME (Multipurpose Internet Mail Extension), and generates I-FAX mail.

5 A mail transmitting section 404 transmits the generated I-FAX mail to a mail server via LAN interface  
17 in accordance with, for example, SMTP.

While, in the IFAX processing section 400, when a mail receiving section 405 receives the I-FAX mail via  
10 LAN interference 17, a binary converting section 406 converts the appended file included in the I-FAX mail from a text code to binary data and obtains the TIFF file. A TIFF decompressing section 407 decompresses the obtained TIFF file, and obtains compressed files. The compressing  
15 and decompressing section 401 decompresses these compressed files, and obtains row image data. The row image data is printed by the printer 16.

In the aforementioned IFAX processing section 400, a mail address input by the panel control section 18 is  
20 sent to an address setting section 408. The address setting section 408 sets this mail address to a destination address [To:] of I-FAX mail.

Also, the IFAX processing section 400 converts facsimile data received by the FAX & voice processing  
25 section 14 to e-mail. In other words, the compressed file received as facsimile data is converted to the TIFF file, and this TIFF file is appended to the multi-part mail,

so that the IFAX mail is generated.

Next, an explanation is given of the processing, which is carried out when the I-FAX mail is transmitted in the above-configured IFAX 1. FIG. 5 is a flowchart 5 showing steps of e-mail transmission processing in the IFAX 1 according to the above embodiment.

An operator places an original on a document glass, and inputs a mail address for a destination (hereinafter referred to as destination address) from the panel. 10 Thereafter, when the operator depresses a transmission button, IFAX 1 scans the original (step (hereinafter referred to as ST) 501).

Next, the panel control section 18 sends the destination address input from the panel to the address 15 setting section 408. The address setting section 408 sets the destination address to [To:] field of the header of I-FAX mail or [Cc:] field (ST502).

Next, the address setting section 408 sets a predetermined destination address to [Bcc:] field 20 (ST503). This predetermined destination address denotes a mail address (hereinafter referred to as center address) of the file server 9 provided in the center 8. This center address is stored in RAM 13.

Thereafter, IFAX 1 converts image data scanned in 25 ST501 to e-mail (ST504). In other words, IFAX 1 generates I-FAX mail to the address set by the address setting section 408.

FIG.5 Flowchart of E-mail transmission processing

I-FAX mail obtained in ST504 is transmitted by the mail transmitting section 404 (ST505).

When e-mail is received, IFAX 1 determines whether or not this e-mail is an error mail (ST506). If this 5 e-mail is an error mail, IFAX 1 checks whether the error mail is one of e-mail to the file server 9 of the center 8 or one of the general e-mail. More specifically, a destination mail address of e-mail transmitted by IFAX 1, which is included in the error mail, is recognized 10 (ST507).

It is checked whether or not the destination mail address identified in ST507 is the center address (ST508). Here, if the destination mail address identified is the center address, all contents of error mail are printed 15 by the printer 16 (ST509).

While, if the destination mail address identified is not the center address, specific information is printed by the printer 16 (ST510). Here, the specific information is, for example, image data, which 20 corresponds to the first page of the original, and an error message, which shows occurrence of an error.

Next, an explanation will be given of the processing, which is performed when facsimile data is transmitted in the above-configured IFAX 1. FIG. 6 is a flowchart 25 showing steps of facsimile transmission processing in IFAX 1 according to the above embodiment.

An operator places an original on a document glass,

and inputs a destination FAX number from the panel. Thereafter, when the operator depresses a transmission button, IFAX 1 scans the original (ST601). Raw image data (BMP data) obtained is stored in RAM 13 (ST602).

5 Next, the panel control section 18 sends the FAX number to the FAX & voice controlling section 100. The FAX & voice controlling section 100 facsimile transmits raw image data (bit map data) stored in RAM 13 to G3FAX of the FAX number input via PSTN 6 (ST603).

10 Next, the IFAX processing section 400 of IFAX 1 converts the raw image data stored in RAM 13 in ST602 to I-FAX mail (ST604). At this time, the address setting section 408 sets a predetermined address to [To:] field of the header of I-FAX mail. Then, IFAX 1 transmits this  
15 I-FAX mail to the mail transmitting section 404.

The following will explain a case in which IFAX 1 according to the above embodiment receives e-mail. FIG. 7 is a flowchart showing steps of e-mail reception processing in IFAX according to the above embodiment.

20 If e-mail is received in ST701, the mail receiving section 405 of the IFAX processing section 400 of IFAX 1 stores received e-mail to RAM 13 (ST702).

Next, it is determined whether or not e-mail is an error mail (ST703). If e-mail is not an error mail, it  
25 is determined whether or not it is a transfer mail (ST704). The transfer mail is e-mail that requests IFAX 1 to transfer image data to the other facsimile apparatus.

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For example, if a password for relay is put in a mail address on the left from @, it is determined as a transfer mail. For example, in a case of PASSWD#123456@mgcs.co.jp, IFAX 1 transfers e-mail to FAX number 123456 using G3 FAX.

5 If e-mail is not a transfer mail, that is, e-mail is general e-mail, the IFAX processing section 400 transfers e-mail to the file server 9 of the center 8 (ST705). More specifically, the IFAX processing section 400 generates e-mail, which includes the received e-mail  
10 directly. The address setting section 408 sets a predetermined address (center address) to [To:] field of the header of this e-mail. This e-mail is transmitted by the mail transmitting section 404.

Next, the IFAX processing section 400 prints the  
15 content of the received e-mail (ST706). More specifically, if the received e-mail is an IFAX mail, image data included in TIFF file appended thereto is printed by the printer 16. At this time, a text portion of the IFAX mail is also printed by the printer 16. After  
20 the end of printing image data, etc., e-mail stored in RAM 13 is erased (ST707).

On the other hand, if received e-mail is an error mail in ST703, specific information is extracted from the error mail (ST708), and the extracted specific  
25 information is printed by the printer 16 (ST709). Thereafter, e-mail stored in RAM 13 is erased (ST707).

Also, if the received e-mail is a transfer mail in

ST704, a transfer destination is extracted (ST710). Next, the IFAX processing section 400 converts e-mail to facsimile data (ST711). The FAX & voice control section 100 transmits the obtained facsimile data to the FAX & 5 voice processing section 14 (ST712). Then, the IFAX processing section 400 transfers the received e-mail to the file server 9 of the center 8 in the same manner as that of ST705. Thereafter, e-mail stored in RAM 13 is erased (ST707).

10 The following will explain a case in which IFAX 1 according to the above embodiment receives facsimile data. FIG. 8 is a flowchart showing steps of facsimile reception processing in IFAX according to the above embodiment.

If facsimile data is received in ST801, the FAX & 15 voice controlling section 100 of IFAX 1 stores the received facsimile data to RAM 13 (ST802). Next, the printer controlling section 300 prints facsimile data using the printer 16 (ST803).

Next, the IFAX controlling section 400 converts 20 facsimile data to IFAX mail (ST804). The address of this IFAX mail is set to the center address. The mail transmitting section of the IFAX processing section 400 transmits this IFAX mail to LAN (ST805). Thereafter, e-mail stored in RAM 13 is erased (ST806).

25 According to the above-configured IFAX 1, since IFAX 1 automatically duplicates all of the transmitted and received e-mail, IFAX mail, and facsimile data, and

transmits them to the file server 9 of the center 8. There is no worry that the operator and manager must expend time and effort. Moreover, the transmission of data to the center 8 is carried out by IFAX mail, and this allows 5 communication costs to be largely reduced.

Further, in the flowchart shown in FIG. 5, since the destination address is set to [To:] field and the center address is set to [Bcc:], the destination address is included in the header of the e-mail received by the 10 receiver side but the center address is not included therein. This makes it possible to prevent the transmission of the duplication of e-mail to the center from being known by the receiver side.

Moreover, as in ST506 to ST510 of the flowchart 15 shown in FIG. 5 and in ST606 to ST610 of the flowchart shown in FIG. 6, if IFAX 1 receives the error mail, which indicates that the transmitted e-mail has not been normally sent to the transmission destination, the transmission destination is determined from the error 20 mail. Then, if the transmission destination is the center 8, all of the contents of the error mail are printed, and if the transmission destination is not the center 8, specific information is extracted from the error mail, and this specific information is printed. Whereby, in 25 a case where the transfer of data to the center 8 fails for some reason, IFAX 1 prints all of the error mail and this printed material is stored, allowing obligation to

store the duplication to be performed without fail. While, if the normal transmission of e-mail to the transmission destination fails, only the specific information is printed, making it possible to prevent 5 all of the error mail from being printed so as to avoid waste of recording paper.

The present invention is not limited to the above-mentioned embodiment. For example, in the aforementioned embodiment, IFAX 1 is connected to 10 Internet 3 via LAN 2, but the Internet connection method may be a dialup connection.

As explained above, according to the present invention, image data transmitted and received by the image communication apparatus provided in the securities 15 firm, etc., is automatically transmitted to the center on the Internet by use of e-mail, and this makes it possible to easily transmit image data to the center and to largely reduce the communication costs required for the transmission of image data to the center.

20 The present invention is not limited to the above described embodiments, and various variations and modifications may be possible without departing from the scope of the present invention.

This application is based on the Japanese Patent 25 Application No. HEI11-287942 filed on October 8, 1999, entire content of which is expressly incorporated by reference herein.

What is claimed is:

1. An image communication apparatus comprising:  
image data transmitting and receiving section is  
adapted to transmit and receiving image data; and  
e-mail transmitting section is adapted to transmit  
the image data transmitted and received by said image  
data transmitting and receiving section to a center on  
the Internet by use of e-mail.
2. The apparatus according to claim 1, further  
comprising error processing section is adapted to  
determine a transmission destination from an error mail  
when receiving said error mail showing that no e-mail  
transmitted by a self-apparatus is normally sent to said  
transmission destination, and for printing all of said  
error mail when said transmission destination is equal  
to the center, and for extracting specific information  
from said error mailer to print the specific information  
when said transmission destination is unequal to the  
center.
3. An image communication apparatus comprising:  
scanning section is adapted to scan an original to  
obtain image data; and  
e-mail transmitting section is adapted to transmit  
e-mail including said image data to a transmission  
destination and a center.
4. The apparatus according to claim 3, wherein said  
e-mail transmitting section sets a mail address of the

transmission destination and a mail address of the center to [To:] field of e-mail and [Bcc:] field of said e-mail, respectively.

5. The apparatus according to claim 3, further comprising error processing section is adapted to determine a transmission destination from an error mail when receiving said error mail showing that no e-mail transmitted by a self-apparatus is normally sent to said transmission destination, for printing all of said error  
10 mail when said transmission destination is equal to the center, and for extracting specific information from said error mailer to print the specific information when said transmission destination is unequal to the center.

6. An image communication apparatus comprising:  
15 facsimile transmitting section is adapted to transmit information through a facsimile protocol; and e-mail transmitting section is adapted to transmit e-mail including said image data to a center.

7. The apparatus according to claim 6, wherein said  
20 e-mail transmitting section sets the center to [To:] field of said e-mail.

8. The apparatus according to claim 6, further comprising error processing section is adapted to determine a transmission destination from an error mail  
25 when receiving said error mail showing that no e-mail transmitted by a self-apparatus is normally sent to said transmission destination, for printing all of said error

mail when said transmission destination is equal to the center, and for extracting specific information from said error mailer to print the specific information when said transmission destination is unequal to the center.

5           9. An image communication method comprising :  
transmitting and receiving image data; and  
transmitting said image data transmitted and received to a center on the Internet by use of e-mail.

10          10. The method according to claim 9, further comprising :

determining a transmission destination from an error mail when receiving said error mail showing that no e-mail transmitted by a self-apparatus is normally sent to said transmission destination;

15          printing all of said error mail when said transmission destination is equal to the center; and  
extracting specific information from said error mailer to print the specific information when said transmission destination is unequal to the center.

20          11. An image communication method comprising :  
scanning an original to obtain image data; and  
transmitting e-mail including said image data to a transmission destination and a center.

25          12. The method according to claim 11, wherein a mail address of the transmission destination and a mail address of the center are specified to [To:] field of e-mail and [Bcc:] field of said e-mail, respectively in

the step of transmitting the e-mail.

13. The method according to claim 11, further comprising :

determining a transmission destination from an  
5 error mail when receiving said error mail showing that  
no e-mail transmitted by a self-apparatus is normally  
sent to said transmission destination;

printing all of said error mail when said  
transmission destination is equal to the center; and

10 extracting specific information from said error  
mailer to print the specific information when said  
transmission destination is unequal to the center.

14. An image communication method comprising :

transmitting information through a facsimile  
15 protocol; and

transmitting e-mail including said image data to  
a center.

16. The method according to claim 14, wherein the  
center is specified to [To:] field of said e-mail in the  
20 step of transmitting the e-mail.

17. The method according to claim 14, further  
comprising :

determining a transmission destination from an  
error mail when receiving said error mail showing that  
25 no e-mail transmitted by a self-apparatus is normally  
sent to said transmission destination;

printing all of said error mail when said

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transmission destination is equal to the center; and extracting specific information from said error mailer to print the specific information when said transmission destination is unequal to the center.

## ABSTRACT OF THE DISCLOSURE

IFAX is installed in securities firm A. PC is installed in a customer B and the other IFAX is installed in a branch C. IFAX transmits and receives image data between PA and IFAX via LAN and the Internet by use of e-mail. While, IFAX is connected to PSTN. IFAX transmits and receives facsimile data between 3FAX and IFAX via PSTN. IFAX transmits and receives image data among PC and the other IFAX and G3FAX and transmits the same image data to a host computer installed in a center via the Internet at the same time. This results in reduction in communication costs with respect to the center.

09511333 0223000

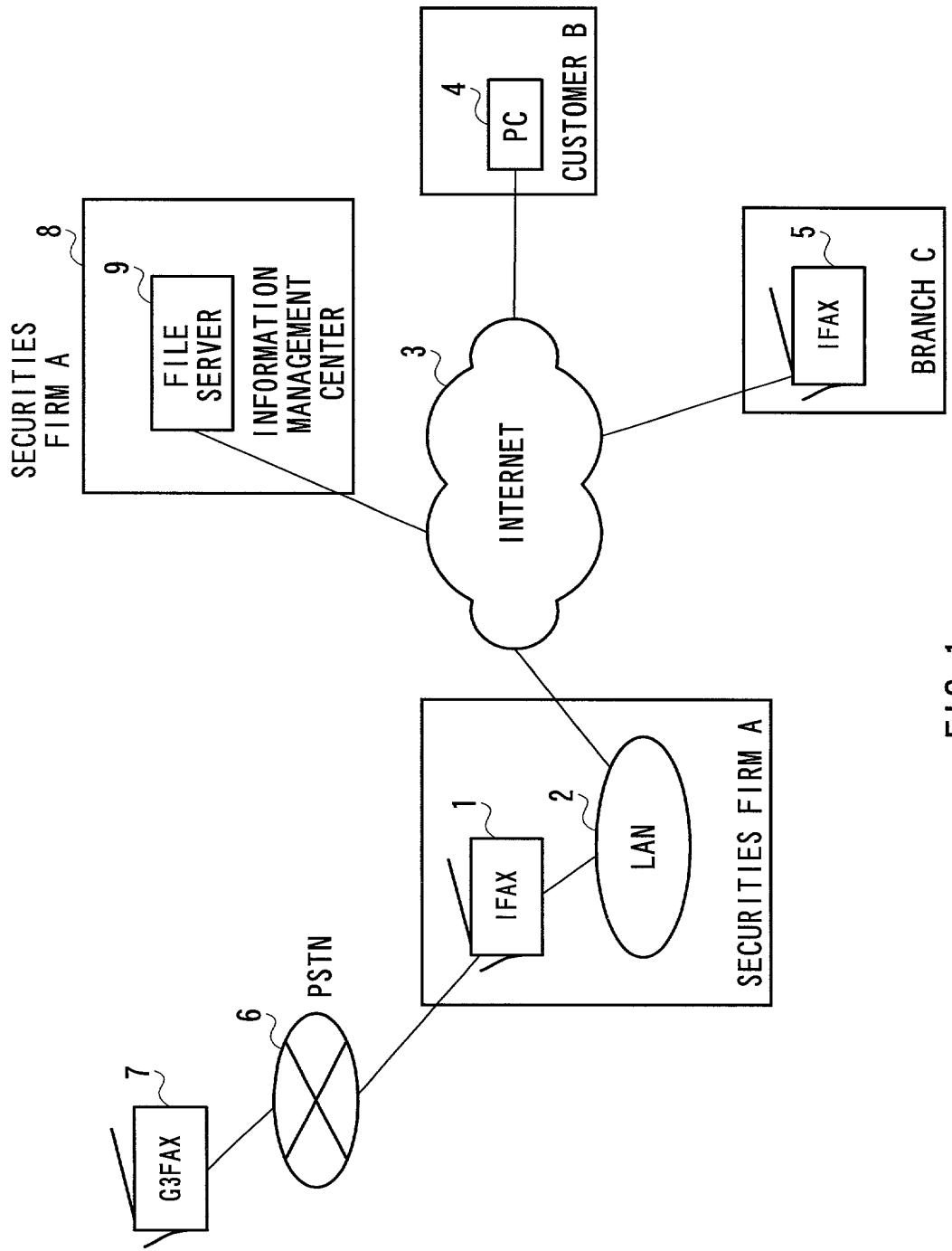


FIG. 1

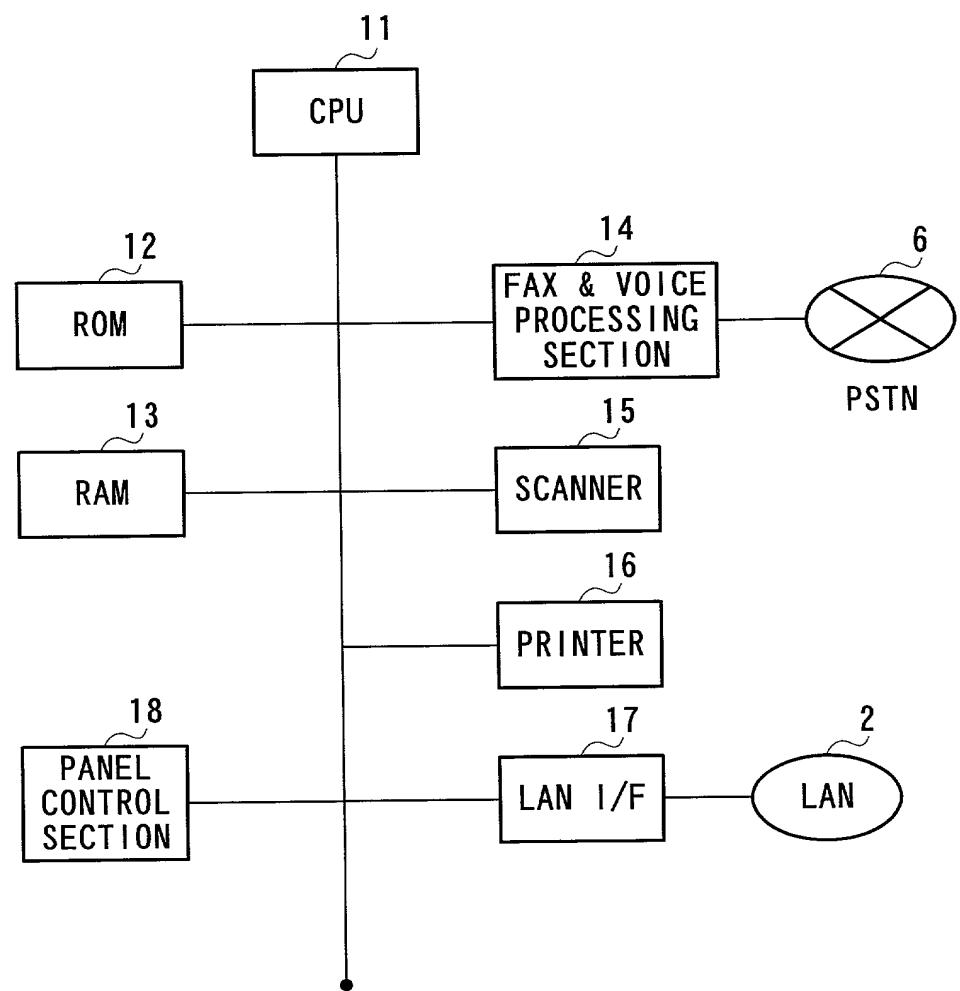


FIG. 2

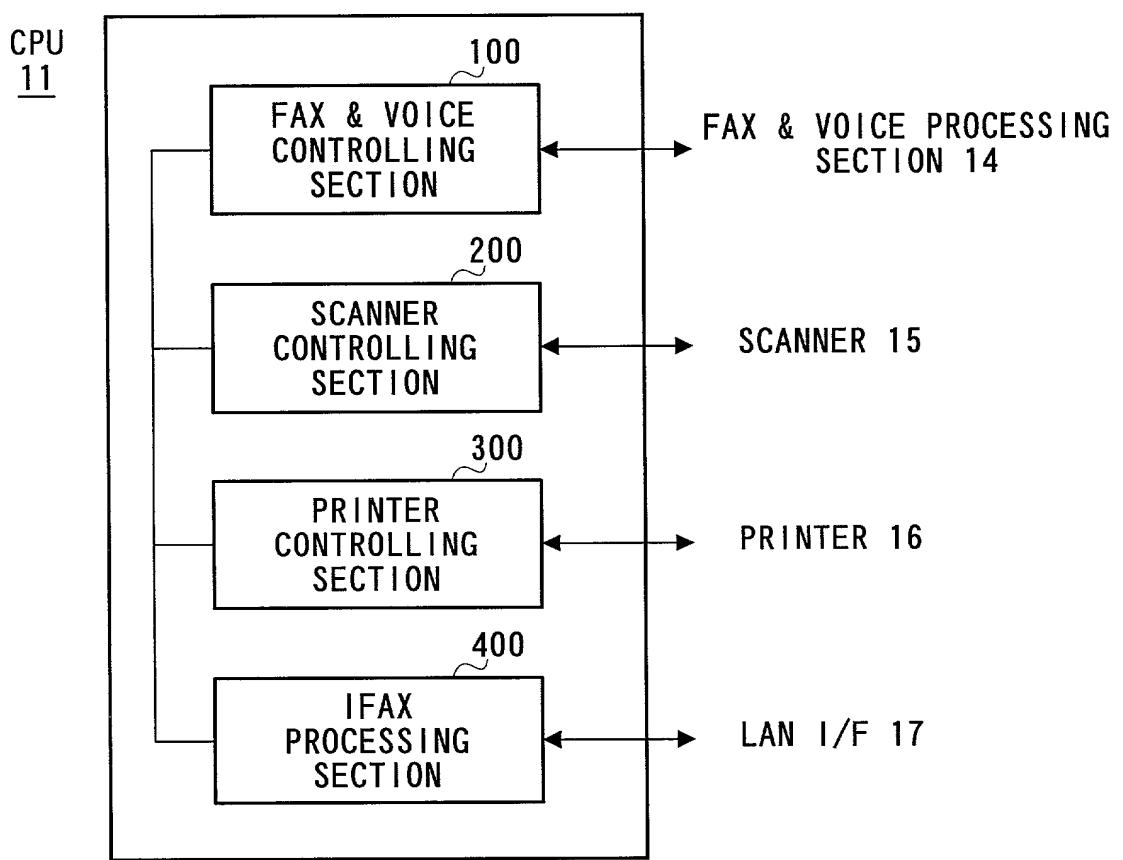
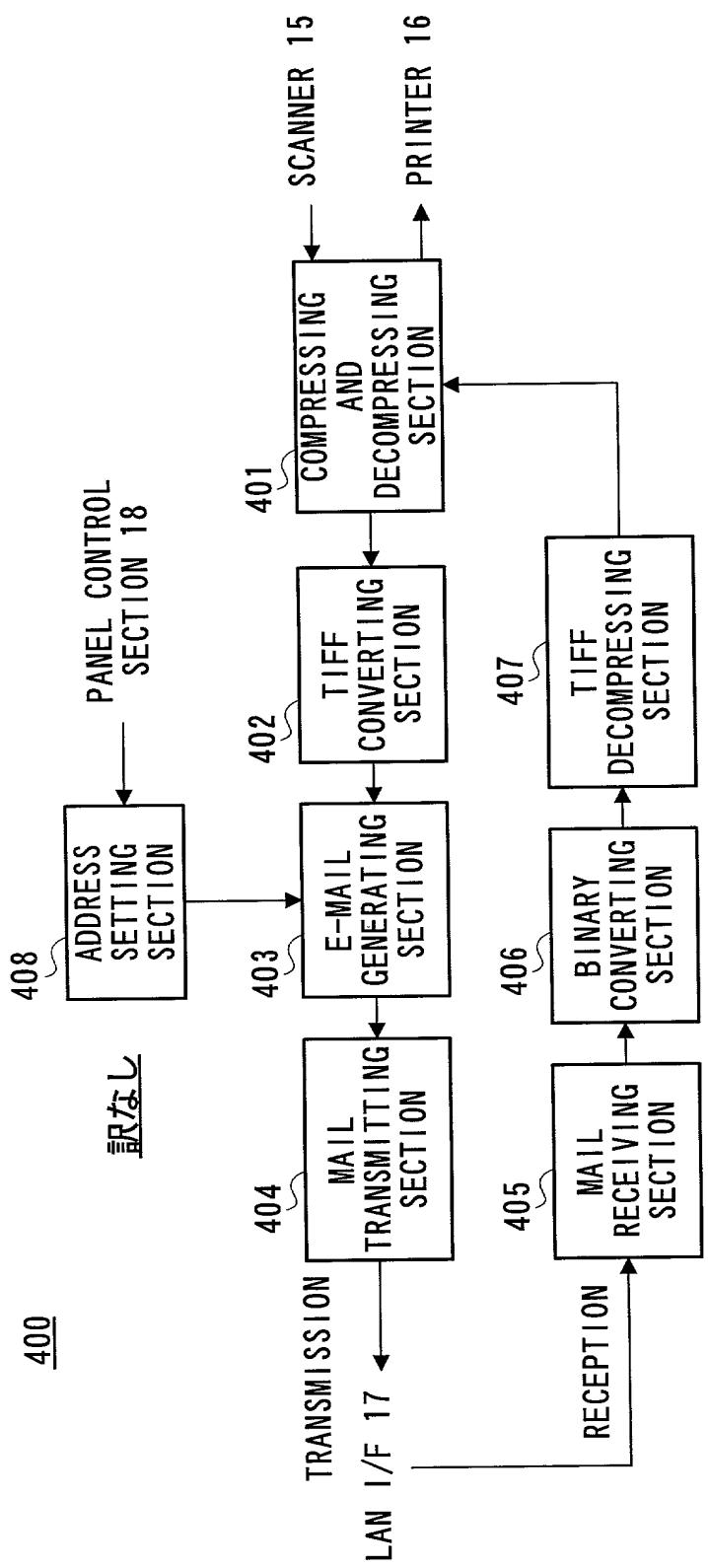


FIG. 3

FIG. 4



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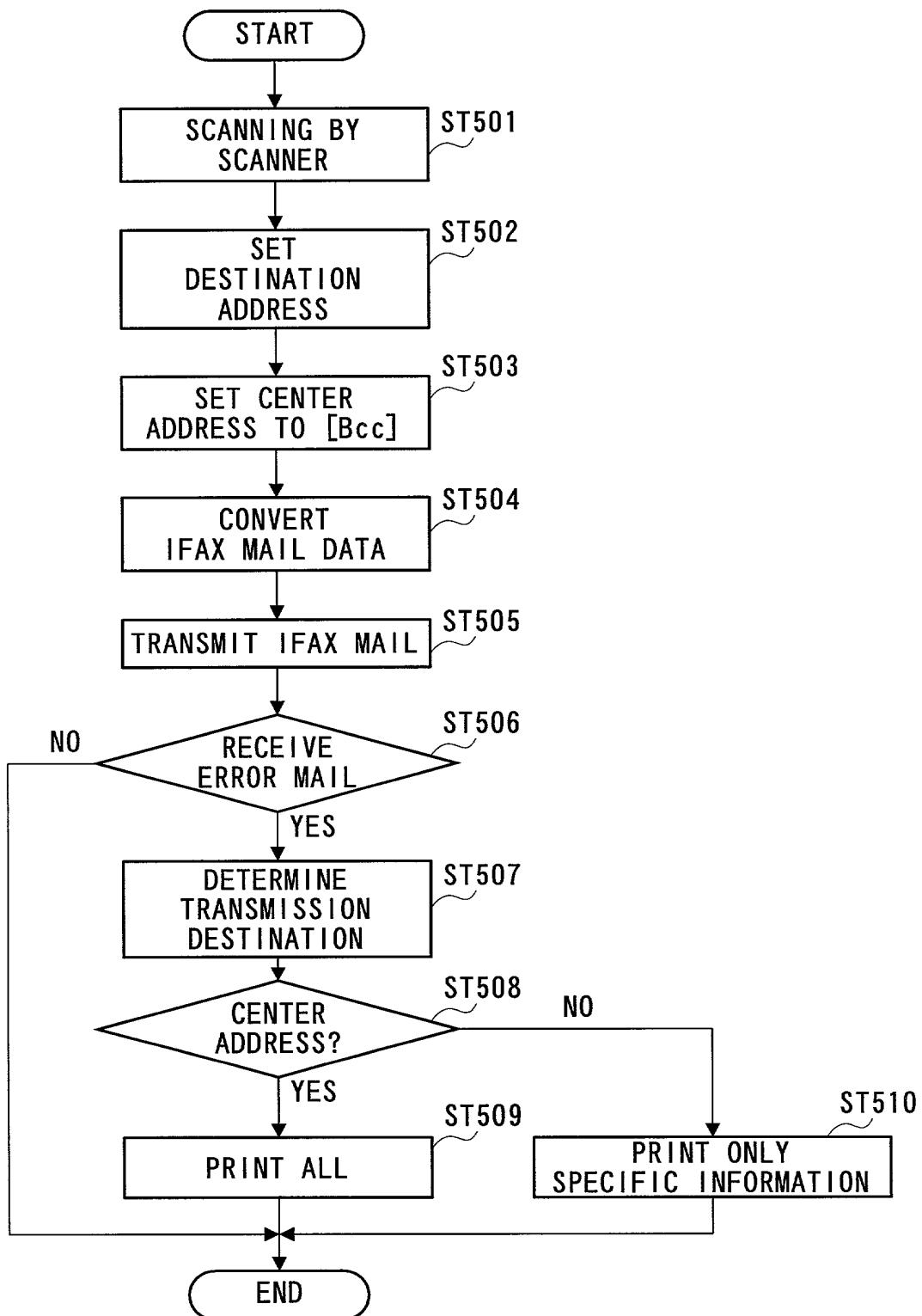


FIG. 5

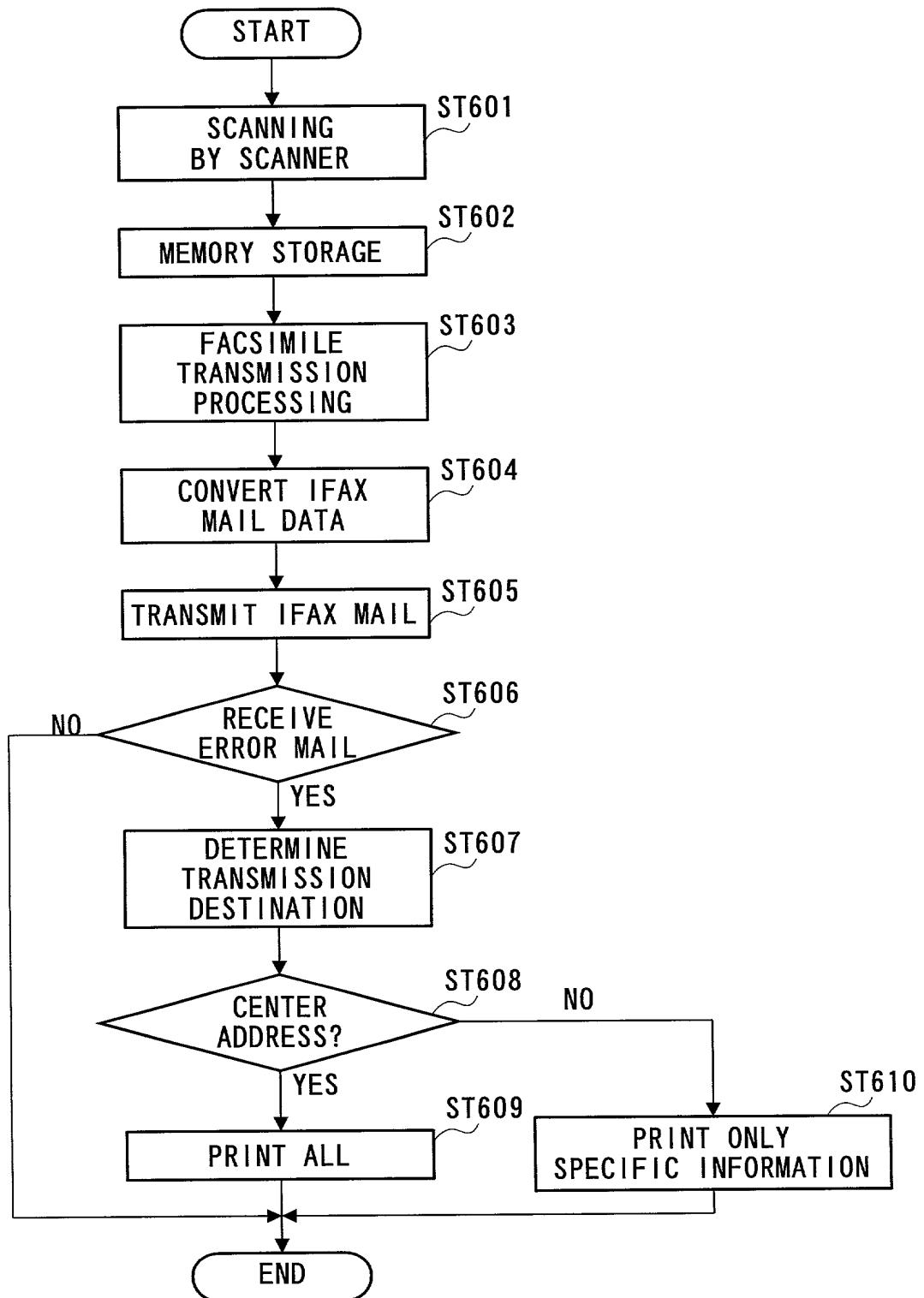


FIG. 6

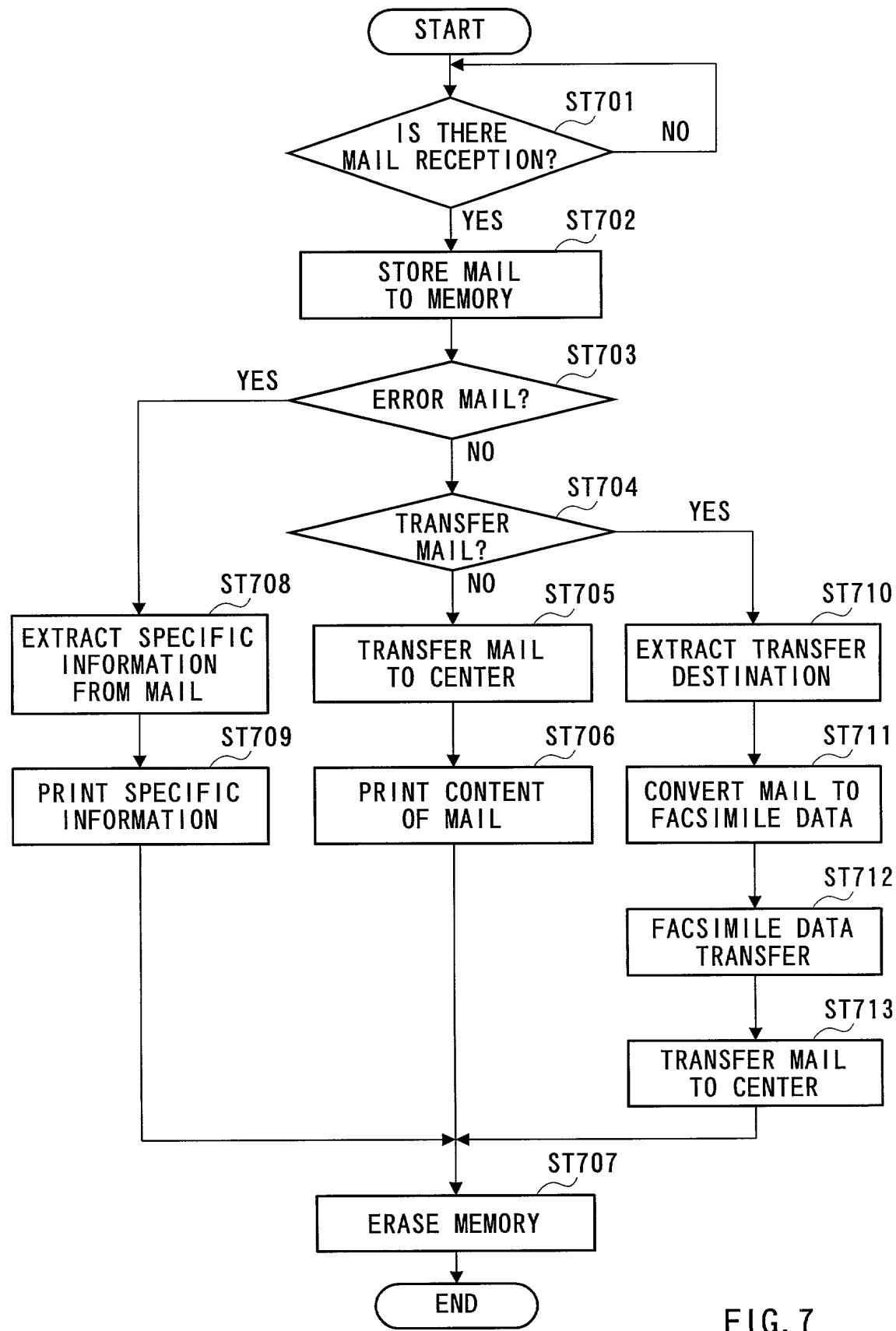


FIG. 7

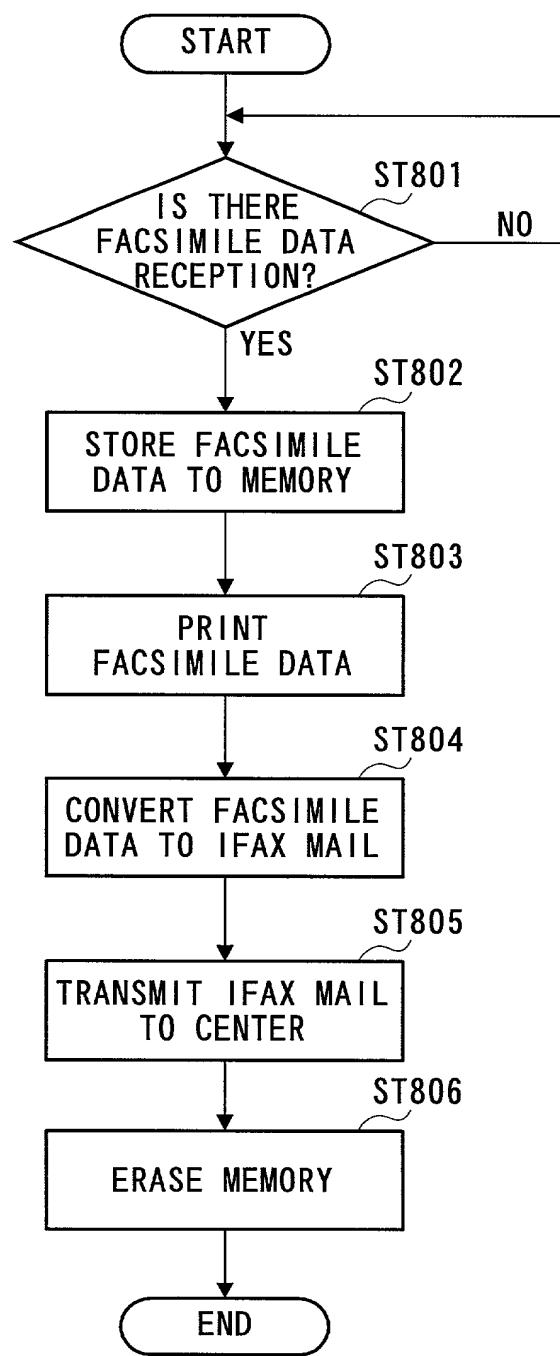


FIG. 8

# Declaration and Power of Attorney For Utility or Design Patent Application

## 特許出願宣言書

### Japanese Language Declaration

私は、下欄に氏名を記載した発明者として、以下のとおり宣誓する：

私の住所、郵便の宛先および国籍は、下欄に氏名に統いて記載したとおりであり、

名称の発明に関し、請求の範囲に記載した特許を求める主題の本来の、最初にして唯一の発明者である(一人の氏名のみが下欄に記載されている場合)か、もしくは本来の、最初にして共同の発明者である(複数の氏名が下欄に記載されている場合)と同じ、

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### IMAGE COMMUNICATION APPARATUS AND IMAGE COMMUNICATION METHOD

the specification of which

(check one)

is attached hereto.

was filed on \_\_\_\_\_ as

Application No. \_\_\_\_\_

and was amended on \_\_\_\_\_

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a-d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the "No" box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

#### Prior foreign applications 先の外国出願

JP11-287942 (Number) (番号)	JAPAN (Country) (国名)	08/October/1999 (Day/Month/Year Filed) (出願の年月日)
_____	_____	_____
_____	_____	_____

#### Priority claimed 優先権の主張

<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yes あり	No なし
<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yes あり	No なし
<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yes あり	No なし

# Japanese Language Utility or Design Patent Application Declaration

私は、合衆国法典第35部第119条(e)項に基づく、下記の合衆国仮特許出願の利益を主張する。

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

(Application Number)  
(番号)

(Day/Month/Year Filed)  
出願の年月日

(Application Number)  
(番号)

(Day/Month/Year Filed)  
出願の年月日

(Application Number)  
(番号)

(Day/Month/Year Filed)  
出願の年月日

他の合衆国仮特許出願番号は別紙の追補優先権欄にて記載する。

Additional provisional application numbers are listed on a supplemental priority sheet attached hereto.

私は、合衆国法典第35部第120条に基づく下記の合衆国特許出願、又は第365条(c)項に基づく合衆国を指名したPCT国際出願の利益を主張し、本願の請求の範囲各項に記載の主題が合衆国法典第35部第112条第1項規定の態様で、先の合衆国特許出願又はPCT国際出願に開示されていない限りにおいて、先の出願の出願日と本願の国内出願日又はPCT国際出願日の間に有効となった連邦規則法典第37部第1章第56条に記載の特許要件に所要の情報を開示すべき義務を有することを認める。

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

(Application No.)  
(出願番号)

(Day/Month/Year Filed)  
(出願の年月日)

(現況)  
(特許済み、係属中、放棄済み) (Status)  
(patented, pending, abandoned)

(Application No.)  
(出願番号)

(Day/Month/Year Filed)  
(出願の年月日)

(現況)  
(特許済み、係属中、放棄済み) (Status)  
(patented, pending, abandoned)

他の合衆国又は国際特許出願番号は別紙の追補優先権欄にて記載する。

Additional U. S. or international application numbers are listed on a supplemental priority sheet attached hereto.

私は、ここに自己の知識にもとづいて行った陳述がすべて真実であり、自己の有する情報および信ずるところに従つて行った陳述が真実であると信じ、さらに故意に虚偽の陳述等を行つた場合、合衆国法典第18部第1001条により、罰金もしくは禁錮に処せられるか、またはこれらの刑が併科され、またかかる故意による虚偽による陳述が本願ないし本願に対して付与される特許の有効性を損なうことがあることを認識して、以下の陳述を行つたことを宣言する。

私は、下記署名者は、ここに記載の米国弁護士または代理人に本出願に關し特許商標庁にて取られるいかなる行為に關して、同米国弁護士又は代理人が、私に直接連絡なしに私の外国弁護士或いは法人代表者からの指示を受け取り、それに従つようここに委任する。この指示を出す者が変更の場合には、ここに記載の米国弁護士又は代理人にその旨通知される。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from either his foreign patent agent or corporate representative, if any, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

## **Japanese Language Utility or Design Patent Application Declaration**

委任状：私は、下記発明者として、下記に明記された顧客番号を伴う以下の弁護士又は、代理人をここに選任し、本順の手続きを遂行すること並びにこれに関する一切の行為を特許商標庁に對して行うことを委任する。そして全ての通信はこの顧客番号宛に發送される。

顧客番号 7055

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住所	Residence		
国籍	Citizenship		
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(第三またはそれ以降の共同発明者に対しても同様な情報および署名を提供すること。)

(Supply similar information and signature for third and subsequent joint inventors.)